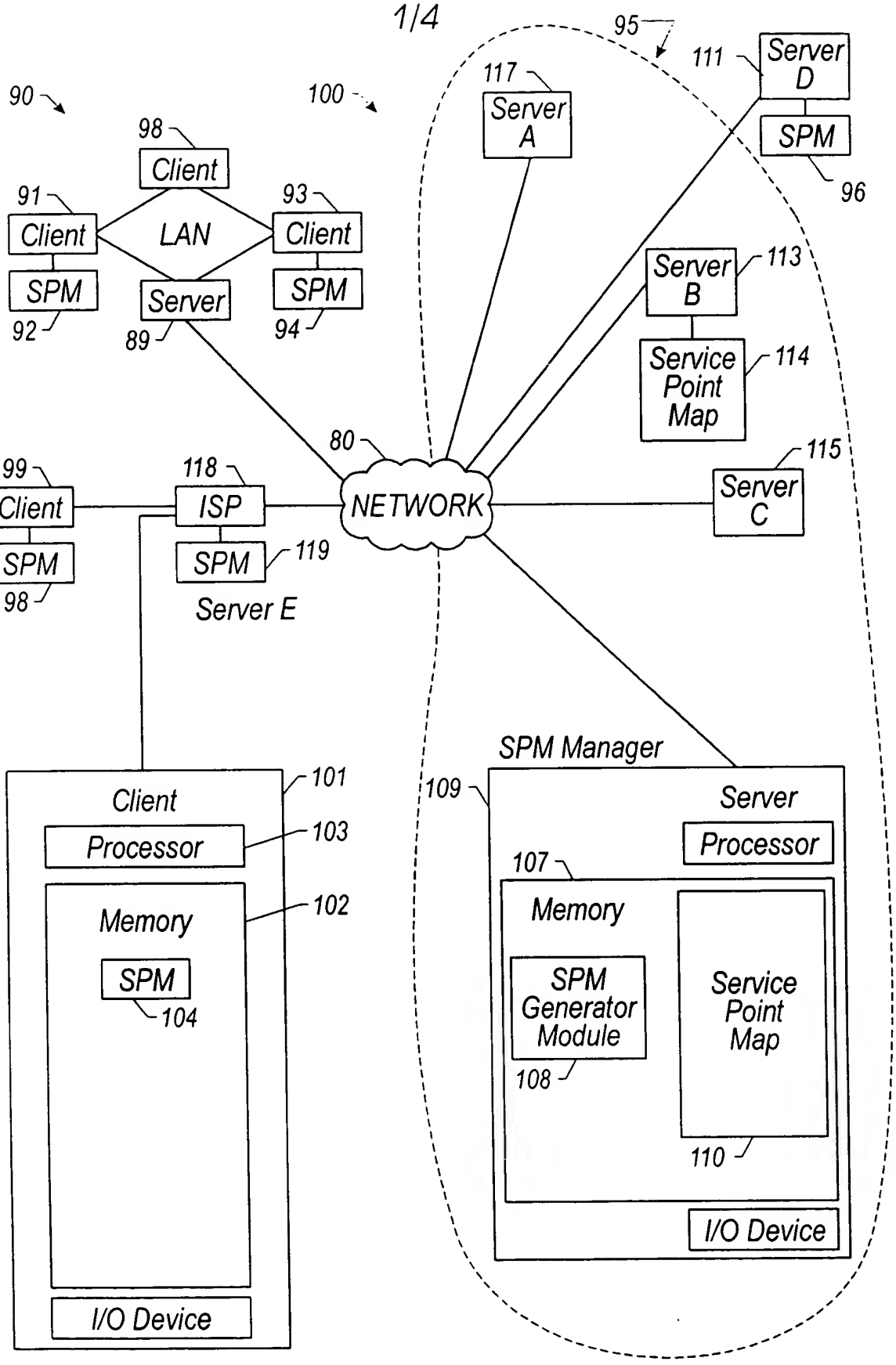
90
100
95
98
Client
91
Client
LAN
93
Client
SPM
92
Server
89
SPM
94
117
Server A
111
Server D
SPM
96
Server B
113
Service Point Map
114
80
NETWORK
99
Client
SPM
98
118
ISP
SPM
119
Server E
115
Server C
SPM Manager
109
Server
Processor
107
Memory
SPM Generator Module
108
Service Point Map
110
I/O Device
101
Client
Processor
103
Memory
102
SPM
104
I/O Device

FIG. 1

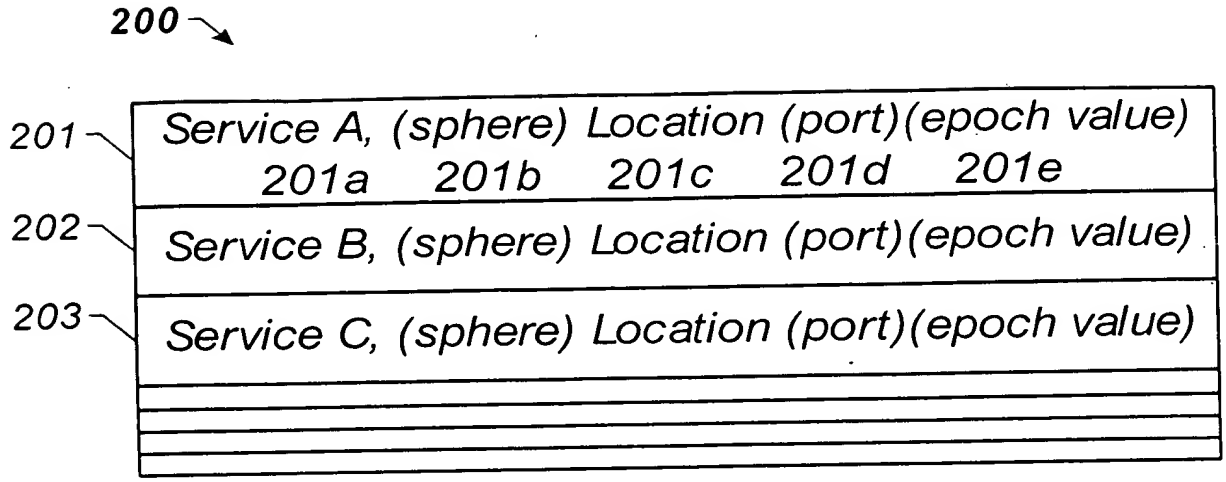
200
201
Service A, (sphere) Location (port)(epoch value)
201a 201b 201c 201d 201e
202
Service B, (sphere) Location (port)(epoch value)
203
Service C, (sphere) Location (port)(epoch value)

FIG. 2

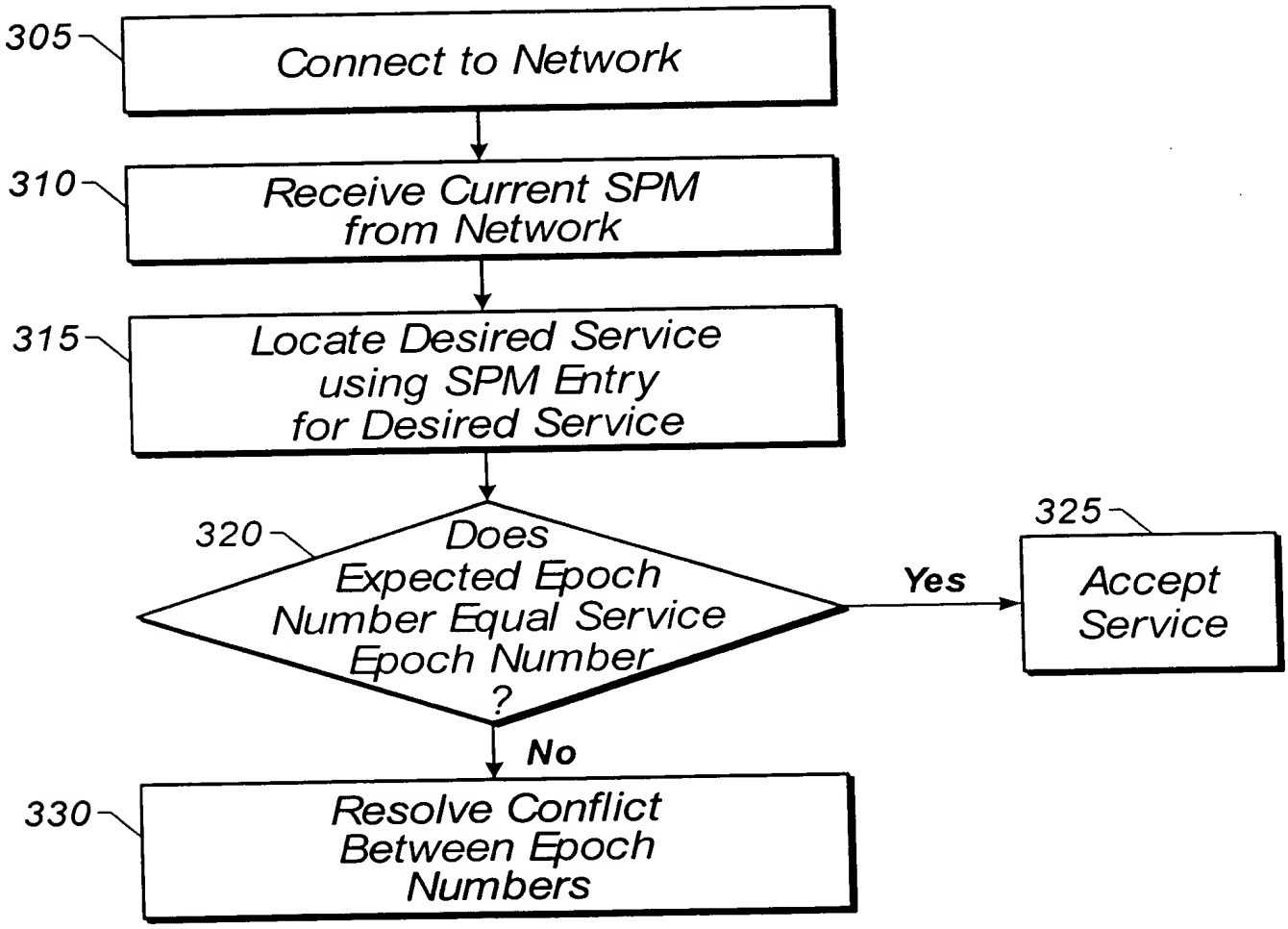
305
Connect to Network
310
Receive Current SPM from Network
315
Locate Desired Service using SPM Entry for Desired Service
320
Does Expected Epoch Number Equal Service Epoch Number ?
Yes
325
Accept Service
No
330
Resolve Conflict Between Epoch Numbers

FIG. 3

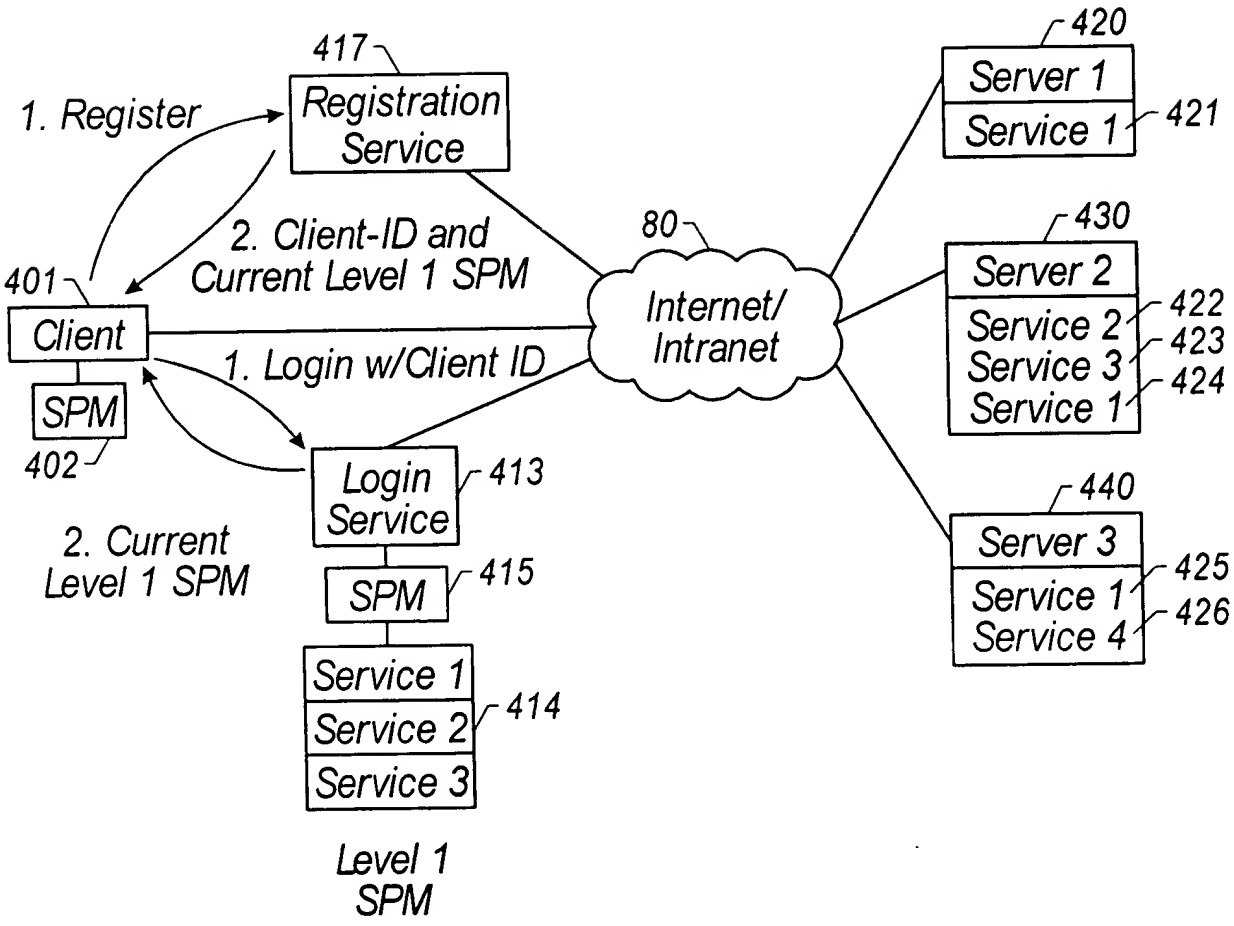
417
Registration Service
1. Register
2. Client-ID and Current Level 1 SPM
401
Client
SPM
402
1. Login w/Client ID
2. Current Level 1 SPM
Login Service
413
SPM
415
Service 1
Service 2
Service 3
414
Level 1 SPM
80
Internet/ Intranet
420
Server 1
Service 1
421
430
Server 2
Service 2
Service 3
Service 1
422
423
424
440
Server 3
Service 1
Service 4
425
426

FIG. 4

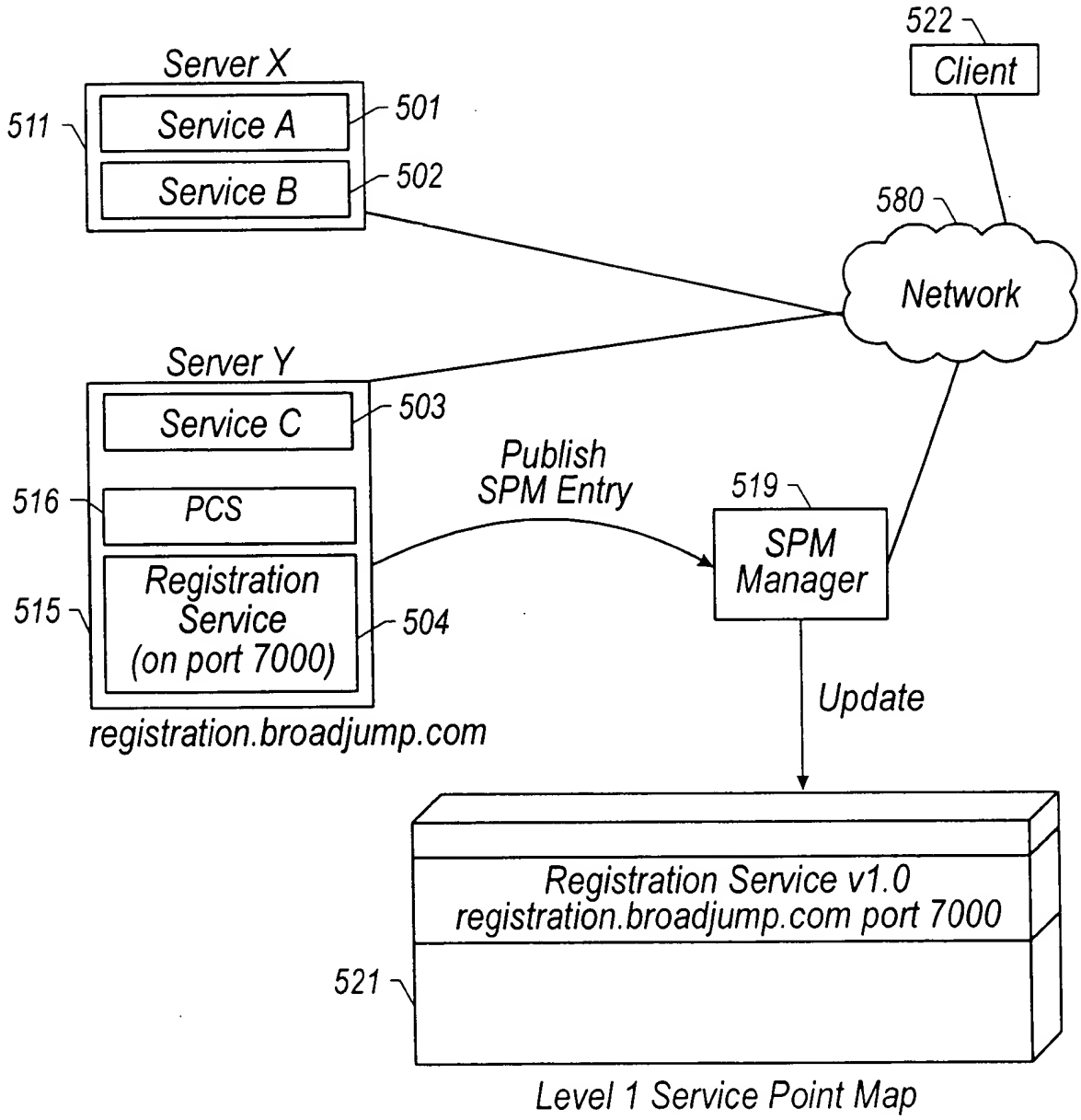
522
Client
Server X
511
Service A
501
Service B
502
580
Network
Server Y
Service C
503
Publish
SPM Entry
519
516
PCS
SPM
Manager
515
Registration
Service
(on port 7000)
504
Update
registration.broadjump.com
Registration Service v1.0
registration.broadjump.com port 7000
521
Level 1 Service Point Map

FIG. 5